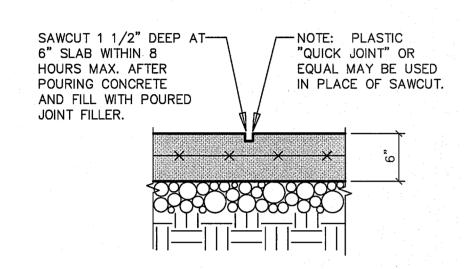
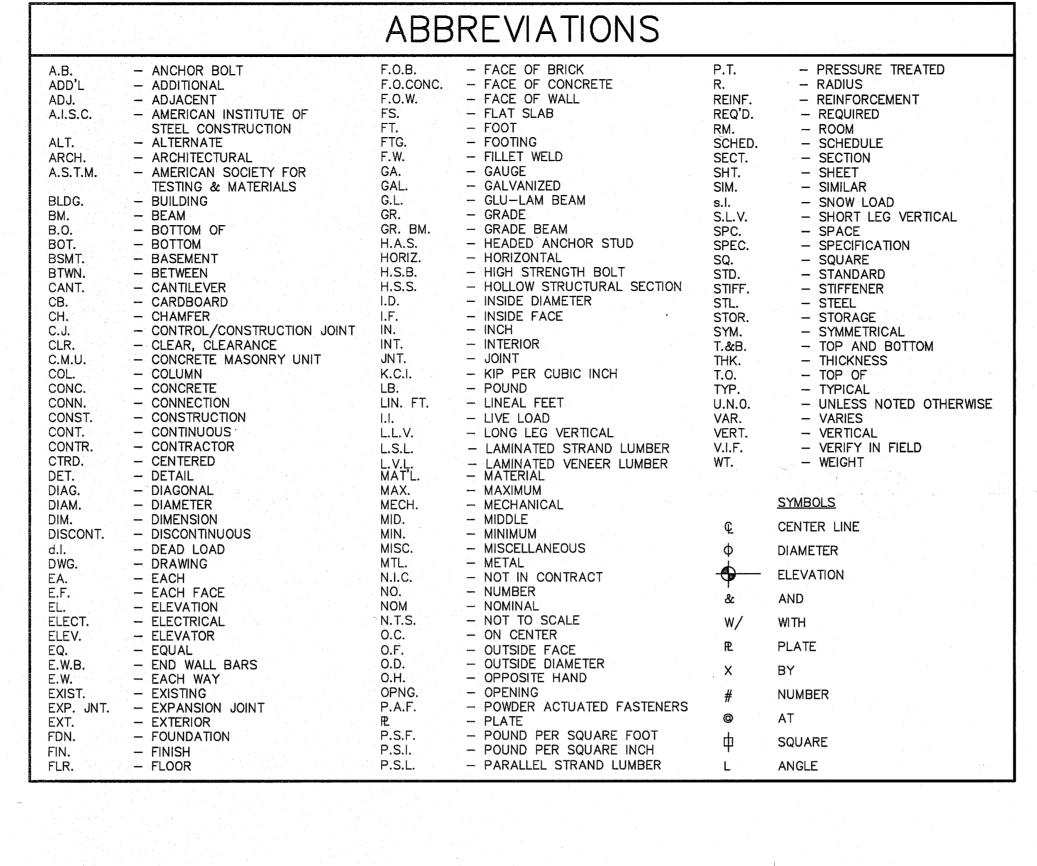
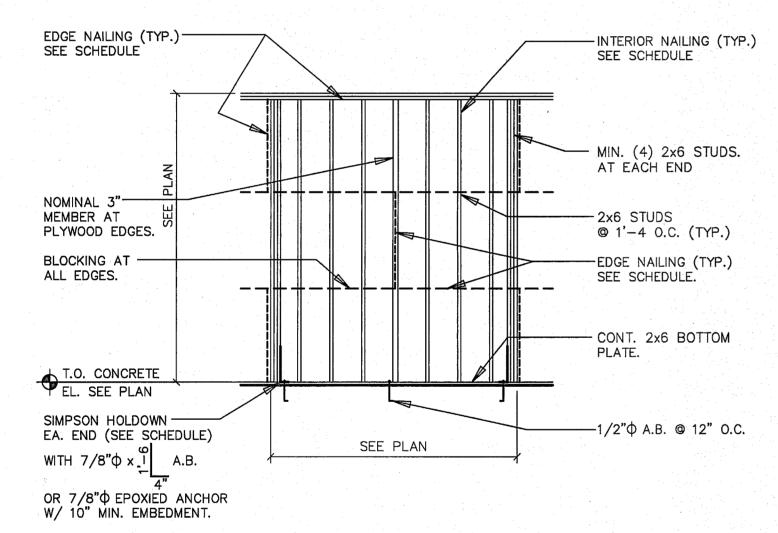


TYPICAL CORNER DETAILS



TYPICAL CONTROL JOINT SECTION





SHEAR WALL ELEVATION 1/4"=1'-0

1. NO OPENINGS ALLOWED IN SHEAR PANELS UNLESS APPROVED BY THE STRUCTURAL ENGINEER.

| PLYWOOD/SHEAR WALL NAILING SCHEDULE | | | | | |
|-------------------------------------|----------------------|---------------------|---|---------------------|----------|
| USE | PLYWOOD THICKNESS | SPAN/INDEX RATIO | EDGE NAILING | INTERIOR NAILING | HOLDOWNS |
| SLOPED ROOF | 19/32" | 32/16 | 10d @ 4" O.C. (BOUNDARIES) 10d @ 6" O.C. (ALL OTHER EDGES) | 10d @ 12" O.C. | |
| | | | | | |
| WALL (TYP) | 15/32" | 24/0 | 10d @ 6" O.C. | 10d @ 12" O.C. | |
| SHEAR WALL 1 | 15/32" | 24/0 | 10d @ 4" O.C. | 10d @ 12" O.C. | HD9B |
| 2 | 15/32" | 24/0 | 10d @ 2" O.C. | 10d @ 6" O.C. | HD10B |

1. ALL EDGES OF SHEAR WALL SHEATHING SHALL BE BLOCKED WITH 3" NOMINAL OR WIDER FRAMING. 2. OSB SHEATHING MAY BE USED AS AN ALTERNATE TO PLYWOOD W/ PRIOR APPROVAL OF OWNER AND ARCHITECT. OSB SHEATHING SHALL COMPLY WITH THE APA PLYWOOD DESIGN SPECIFICATION AND SHALL HAVE A SPAN RATING EQUIVALENT TO OR BETTER THAN THE PLYWOOD IT REPLACES. ATTACHMENT AND THICKNESS (WITHIN 1/32")

OF EACH OPENING WITHIN THE DESIGNATED EXTENT OF THE WALL (SEE PLAN).

- SHALL BE THE SAME AS THE PLYWOOD IT REPLACES. 3. AT ABUTTING PANEL EDGES, STUDS SHALL BE NO LESS THAN A SINGLE 3" NOMINAL MEMBER AND NAILS SHALL BE STAGGERED. 4. PROVIDE (3) 2" NOMINAL STUDS AND HOLDOWNS AT EACH END OF SHEAR WALL, AS WELL AS EACH SIDE
- 5. HOLDOWNS LISTED ARE BY SIMPSON STRONG-TIE. ALTERNATES MUST BE EQUIVALENT AND MUST BE APPROVED BY THE

STRUCTURAL ENGINEER.

GENERAL NOTES CODES USED FOR DESIGN: 2003 INTERNATIONAL BUILDING CODE, ASCE/SEI 7-10 FLAT ROOF SNOW LOAD pf-----30 PSF SNOW LOAD IMPORTANCE FACTOR Is-----1.0 THERMAL FACTOR C+-----1.0 3. FLOOR ------100 PSF EXPOSURE-----C RISK CATEGORY------V_{III} T------115 MPH Vasp------89 MPH INTERNAL PRESSURE COEFFICIENT GC -----+/-0.18 COMPONENTS AND CLADDING - STRENGTH DESIGN (MULTIPLY x 0.6 FOR ASD VALUES) BASED ON EFFECTIVE AREA = 20 SQ. FT. TYPICAL WALL (INWARD PRESSURE)-----28 PSF TYPICAL WALL (OUTWARD PRESSURE)-----28 PSF WALL CORNERS (OUTWARD PRESSURE)-----50 PSF Oney TYPICAL ROOF (OUTWARD PRESSURE)-----41 PSF ROOF EAVES, RAKES, RIDGES, & CORNERS (OUTWARD PRESSURE)-----87 PSF PARAPETS (INWARD OR OUTWARD PRESSURE)-----115 PSF

D. SEISMIC: SEISMIC DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH N.E.H.R.P. PROVISIONS AND THE REQUIREMENTS OF ASCE/SEI 7-10. RISK CATEGORY-----II IMPORTANCE FACTOR Ie-----1.00 SPECTRAL RESPONSE COEFFICIENTS: ._______0.124 Cs -----0.047 SITE CLASS-----D SEISMIC DESIGN CATEGORY-----B

DESIGN BASE SHEAR V ----- 10K

CONCRETE:

2. LIVE LOADS USED IN DESIGN:

A. CONCRETE MIX TABLE: MONOLITHIC SLAB NW 0.45 3/4 4 ΑE 5 ON GRADE

NOTES:

(1) FOR THE MAXIMUM COARSE AGGREGATE SIZE INDICATED, USE THE FOLLOWING AGGREGATE SIZE NUMBERS PER ASTM C33: 3/4" - #67 AGGREGATE

1" - #57 AGGREGATE (2) TOTAL ÄIR CONTENT LIMITS INCLUDE BOTH ENTRAINED AND ENTRAPPED AIR +/- 1 1/2%. 'N' IN COLUMN INDICATES ADDITION OF ENTRAINED

(3) ABBREVIATIONS FOR REQUIRED ADMIXTURES AS FOLLOWS: AE = AIR-ENTRAINING ADMIXTURE. DO NOT USE ENTRAINED AIR FOR STEEL TROWELED FINISHED FLOORS. WRA = WATER REDUCING ADMIXTURE.

(4) ABBREVIATIONS FOR OTHER REQUIREMENTS AS FOLLOWS: FAR = 20% CLASS F FLY ASH REQUIRED. (5) FOR CONCRETE PLACED BY PUMPING, PROVIDE CONCRETE MIX

FLOWABILITY TO FACILITY PUMPING.

B. ALL REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60, EXCEPT COLUMN TIES AND

DOWELS TO SLABS ON GRADE MAY BE GRADE 40. C. NO SPLICES OF REINFORCEMENT SHALL BE MADE EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER. LAP SPLICES, WHERE PERMITTED, SHALL BE A MINIMUM OF 36

BAR DIAMETERS. MAKE ALL BARS CONTINUOUS AROUND CORNERS. D. STAGGER SPLICES A MINIMUM OF 4'-0 FOR TOP AND BOTTOM CONTINUOUS BARS IN FOUNDATION, UNLESS OTHERWISE SHOWN OR NOTED.

E. DETAIL BARS IN ACCORDANCE WITH A.C.I. DETAILING MANUAL AND A.C.I. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, LATEST EDITIONS. F. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING AT POSITIONS SHOWN ON

THE DRAWINGS. DO NOT ATTEMPT TO LOCATE REINFORCING DURING CONCRETE PLACEMENT. G. REINFORCEMENT PROTECTION SHALL BE AS FOLLOWS: (1) CONCRETE POURED AGAINST EARTH-----3" (2) FORMED CONCRETE EXPOSED TO EARTH OR WEATHER-----2" (3) FORMED STAIRS OR WALLS NOT EXPOSED TO WEATHER-----3/4"

H. PLACE 2-#5 (ONE EACH FACE) WITH 2'-0 PROJECTION AROUND ALL OPENINGS IN CONCRETE UNLESS OTHERWISE SHOWN OR NOTED. I. SLABS, BEAMS, AND GRADE BEAMS SHALL NOT HAVE JOINTS IN A HORIZONTAL PLANE. ANY STOP IN CONCRETE WORK MUST BE MADE AT MIDDLE OF SPAN WITH KEYS AS INDICATED IN

THE TYPICAL CONCRETE WALL CONSTRUCTION JOINT DETAIL. ALL CONSTRUCTION JOINTS

A. ALL STRUCTURAL STEEL S SHAPES SHALL CONFORM TO ASTM A36 (Fy = 36 ksi). B. STRUCTURAL STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH LATEST

SHALL BE AS DETAILED OR AS APPROVED BY THE STRUCTURAL ENGINEER.

PROVISIONS OF THE A.I.S.C. MANUAL OF STEEL CONSTRUCTION C. USE FRAMED BEAM CONNECTIONS WITH 3/4" DIAMETER ASTM A325 BOLTS, OR WELDED EQUIVALENT, UNLESS OTHERWISE SHOWN OR NOTED. FOR BEAMS WITHOUT DESIGNATED LOADS ON DRAWING, SELECT CONNECTIONS TO SUPPORT 50% OF TOTAL UNIFORM LOAD CAPACITY IN BENDING FOR EACH GIVEN BEAM AND SPAN, PLUS THE REACTION DUE TO ANY CONCENTRATED LOADS, MINIMUM OF (2) BOLTS PER CONNECTION.

D. ALL WELDERS SHALL HAVE EVIDENCE OF PASSING THE A.W.S. STANDARD QUALIFICATION TESTS.

A. ALL BEAMS AND HEADERS 2 TO 4 INCHES THICK SHALL BE HEM-FIR NO. 2 AND BETTER WITH

Fb = 850 PSI AND E = 1,300,000 PSI.B. STUDS AND PLATES SHALL BE HEM-FIR IN STUD GRADE WITH Fb = 675 PSI AND E = 1,200,000

6. FOUNDATIONS: FOUNDATION DESIGN IS BASED ON RECOMMENDATIONS BY HUDDLESTON BERRY ENGINEERING AND TESTING, L.L.C, JOB NO. 00302-0042. RECOMMENDATIONS IN THIS REPORT SHOULD BE FOLLOWED. A. ALLOWABLE SOIL BEARING PRESSURE-----2,000 PSF THE SOILS ENGINEER SHALL EXAMINE EXCAVATION TO VERIFY BEARING PRESSURE AND SOILS CONDITIONS PRIOR TO CONSTRUCTION.

7. ALL DIMENSIONS ON STRUCTURAL DRAWINGS TO BE CHECKED AGAINST ARCHITECTURAL NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH

. VERIFY ALL OPENINGS THROUGH FLOORS, ROOF, AND WALLS WITH MECHANICAL AND ELECTRICAL REQUIRMENTS.

Michael

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> General Notes & Sections

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